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| **Experiment #** | **Experiment name** | **Comments** |
| **1a** | **Sirt3 (urea)** + Ac-MnSOD + carba NAD ***(titrated)*** |  |
| **1b** | **Sirt3 (urea)** + Ac-MnSOD + sat. Honokiol + carba NAD ***(titrated)*** |  |
| **2a** | **Sirt3 (truncated)** + Ac-MnSOD + carba NAD ***(titrated)*** |  |
| **2b** | **Sirt3 (truncated)** + Ac-MnSOD + sat. Honokiol + carba NAD ***(titrated)*** |  |
| **3** | **Sirt3 (urea)** + 23.5 mM NAM (max) + sat. Honokiol + NAD ***(titrated)*** | **To be set up exactly as exp w/o Honokiol** |
| **4** | **Sirt3 (urea)** + Ac-p53 + carba NAD ***(titrated)*** |  |
| **5** | **Sirt3 (truncated)** + Ac-p53 + carba NAD ***(titrated)*** |  |
| **6** | **Sirt3 (truncated)** + 23.5 mM NAM (max) + sat. Honokiol + NAD ***(titrated)*** |  |